

=> d que 147

L2	13 SEA FILE=REGISTRY ABB=ON	PLU=ON	(10096-91-0/BI OR 117-99-7/BI OR 136-36-7/BI OR 14848-04-5/BI OR 25038-59-9/B I OR 25230-87-9/BI OR 459856-74-7/BI OR 463-52-5/BI OR 471-46-5/BI OR 65-85-0/BI OR 669005-94-1/BI OR 70321-86-7/B I OR 9020-73-9/BI)
L4	8 SEA FILE=REGISTRY ABB=ON	PLU=ON	"C28 H23 F3 N6"/MF
L5	2 SEA FILE=REGISTRY ABB=ON	PLU=ON	L4 AND PYRIDINECARBONITRIL?
L7	1 SEA FILE=REGISTRY ABB=ON	PLU=ON	"C43 H39 N9 O9"/MF
L8	3 SEA FILE=HCAPLUS ABB=ON	PLU=ON	L5
L9	3 SEA FILE=HCAPLUS ABB=ON	PLU=ON	L7
L10	4 SEA FILE=HCAPLUS ABB=ON	PLU=ON	L8 OR L9
L25	486 SEA FILE=REGISTRY ABB=ON	PLU=ON	BENZOTRIAZOLE?/CNS AND HYDROXYPHENYL?/CNS
L26	72 SEA FILE=REGISTRY ABB=ON	PLU=ON	L25 AND 2-2-HYDROXY?
L27	1 SEA FILE=REGISTRY ABB=ON	PLU=ON	2-HYDROXYBENZOPHENONE/CN
L28	1 SEA FILE=REGISTRY ABB=ON	PLU=ON	FORMAMIDINE/CN
L29	3597 SEA FILE=REGISTRY ABB=ON	PLU=ON	RESORCINOL?/CNS
L30	715 SEA FILE=REGISTRY ABB=ON	PLU=ON	1,3,5-TRIAZINE//CNS AND HYDROXYPHENYL?/CNS
L31	1 SEA FILE=REGISTRY ABB=ON	PLU=ON	C7 H6 O2/MF AND L2
L32	1 SEA FILE=REGISTRY ABB=ON	PLU=ON	L2 AND C9 H7 N3 O/MF
L33	1 SEA FILE=REGISTRY ABB=ON	PLU=ON	L2 AND C13 H10 O2/MF
L34	1 SEA FILE=REGISTRY ABB=ON	PLU=ON	L2 AND C13 H10 O3/MF
L35	1 SEA FILE=REGISTRY ABB=ON	PLU=ON	L2 AND C30 H29 N3 O/MF
L36	1 SEA FILE=REGISTRY ABB=ON	PLU=ON	L2 AND C12 H9 N3 O/MF
L37	6 SEA FILE=REGISTRY ABB=ON	PLU=ON	(L31 OR L32 OR L33 OR L34 OR L35 OR L36)
L40	37964 SEA FILE=HCAPLUS ABB=ON	PLU=ON	L37
L41	5696 SEA FILE=HCAPLUS ABB=ON	PLU=ON	L26
L42	779 SEA FILE=HCAPLUS ABB=ON	PLU=ON	L27
L43	499 SEA FILE=HCAPLUS ABB=ON	PLU=ON	L28
L44	55309 SEA FILE=HCAPLUS ABB=ON	PLU=ON	L29
L45	2271 SEA FILE=HCAPLUS ABB=ON	PLU=ON	L30
L46	2 SEA FILE=HCAPLUS ABB=ON	PLU=ON	L10 AND (L40 OR L41 OR L42 OR L43 OR L44 OR L45)
L47	4 SEA FILE=HCAPLUS ABB=ON	PLU=ON	L10 OR L46

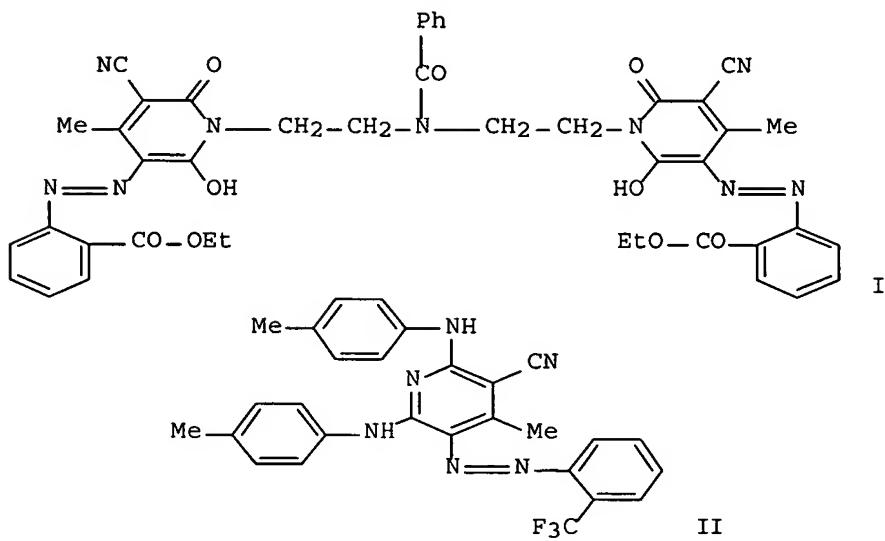
=> d 147 1-4 ibib ed abs hitstr hitind

L47 ANSWER 1 OF 4 HCAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2005:612184 HCAPLUS Full-text
 DOCUMENT NUMBER: 143:134158
 TITLE: Method of protecting organic material such as
 foods and pharmaceuticals from light
 INVENTOR(S): Jandke, Joachim
 PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Switz.
 SOURCE: PCT Int. Appl., 21 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	-----	-----	-----	-----

WO 2005063592	A1	20050714	WO 2004-EP53418	20041213
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
EP 1697227	A1	20060906	EP 2004-804782	20041213
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS			
JP 2007523224	T	20070816	JP 2006-546155	20041213
US 2007157401	A1	20070712	US 2006-583597	20060620
IN 2006CN02272	A	20070608	IN 2006-CN2272	20060622
MX 2006PA07267	A	20060809	MX 2006-PA7267	20060623
RIORITY APPLN. INFO.:			EP 2003-104945	A 20031223

ED Entered STN: 15 Jul 2005
GI



AB The invention relates to a method of protecting organic material, especially from the pharmaceutical, food and nutrition sectors, from light, which method comprises applying to or incorporating in a carrier material, such as PET, a combination of the dye I, the dye II, and a UV absorber and, optionally, further dyes, and positioning the so-treated carrier material between the light source and the organic material to be protected. The use of I and II

improves the ability of the UV absorbers to protect the organic material from 400-500-nm light.

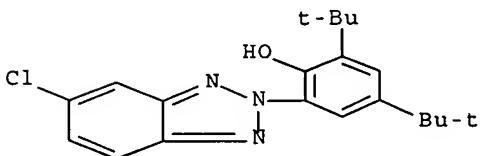
IT 3864-99-1 3896-11-5 25973-55-1

70321-86-7

(UV absorber; protecting foods and pharmaceuticals from light by PET-based barriers containing combinations of pyridine group-containing azo dyes and UV absorbers)

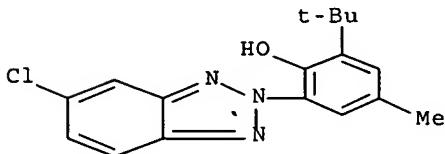
RN 3864-99-1 HCPLUS

CN Phenol, 2-(5-chloro-2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylethyl)- (CA INDEX NAME)



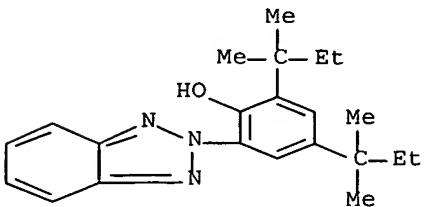
RN 3896-11-5 HCPLUS

CN Phenol, 2-(5-chloro-2H-benzotriazol-2-yl)-6-(1,1-dimethylethyl)-4-methyl- (CA INDEX NAME)



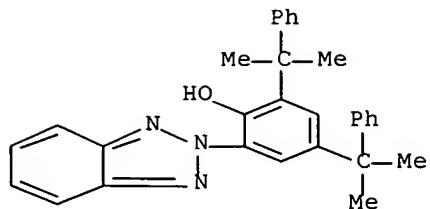
RN 25973-55-1 HCPLUS

CN Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylpropyl)- (CA INDEX NAME)



RN 70321-86-7 HCPLUS

CN Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1-methyl-1-phenylethyl)- (CA INDEX NAME)



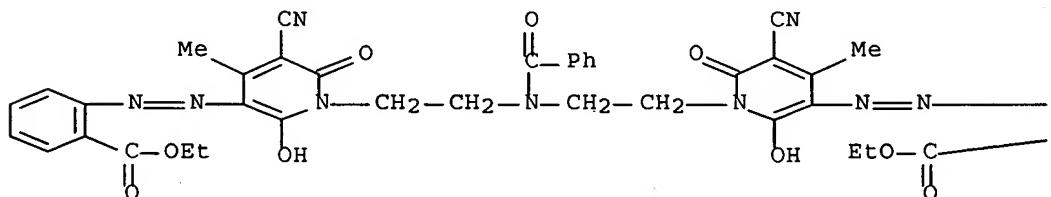
IT 459856-74-7 669005-94-1

(protecting foods and pharmaceuticals from light by PET-based
barriers containing combinations of pyridine group-containing azo dyes and
UV absorbers)

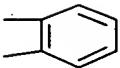
RN 459856-74-7 HCAPLUS

CN Benzoic acid, 2,2'-[(benzoylimino)bis[2,1-ethanediyl(5-cyano-2-hydroxy-
4-methyl-6-oxo-1,3(6H)-pyridinediyl)azo]]bis-, diethyl ester (9CI)
(CA INDEX NAME)

PAGE 1-A

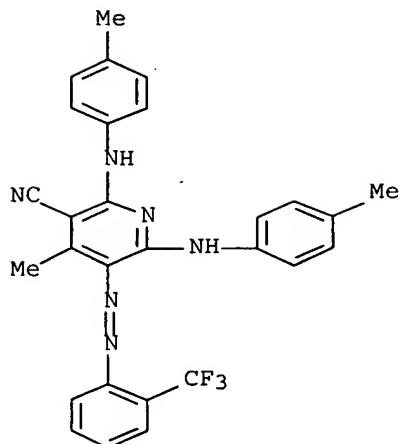


PAGE 1-B



RN 669005-94-1 HCAPLUS

CN 3-Pyridinecarbonitrile, 4-methyl-2,6-bis[(4-methylphenyl)amino]-5-[2-
[2-(trifluoromethyl)phenyl]diazenyl]- (CA INDEX NAME)



IC ICM B65D065-16
 ICS B65D065-20; B65D081-30; C09B067-22; C08J003-20; B65B055-00
 CC 37-6 (Plastics Manufacture and Processing)
 Section cross-reference(s): 17, 63
 IT 3864-99-1 3896-11-5 25973-55-1
 70321-86-7
 (UV absorber; protecting foods and pharmaceuticals from light by PET-based barriers containing combinations of pyridine group-containing azo dyes and UV absorbers)
 IT 459856-74-7 669005-94-1
 (protecting foods and pharmaceuticals from light by PET-based barriers containing combinations of pyridine group-containing azo dyes and UV absorbers)
 REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L47 ANSWER 2 OF 4 HCAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2004:203879 HCAPLUS Full-text
 DOCUMENT NUMBER: 140:236566
 TITLE: Producing of UV-absorber-containing colored plastics or polymeric particles and polyester beer bottles prepared thereby
 INVENTOR(S): Christensen, Ian
 PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Switz.
 SOURCE: PCT Int. Appl., 15 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004020505	A1	20040311	WO 2003-EP9268	20030821
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU,				

ZA, ZM, ZW

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,
 BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
 EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE,
 SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,
 NE, SN, TD, TG

CA 2496559	A1	20040311	CA 2003-2496559	20030821
AU 2003270091	A1	20040319	AU 2003-270091	20030821
EP 1532196	A1	20050525	EP 2003-750420	20030821
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003013809	A	20050705	BR 2003-13809	20030821
CN 1678666	A	20051005	CN 2003-820486	20030821
JP 2005536616	T	20051202	JP 2004-532102	20030821
ZA 2005000956	A	20060329	ZA 2005-956	20050202
US 2006160933	A1	20060720	US 2005-524008	20050208
MX 2005PA02144	A	20050523	MX 2005-PA2144	20050224
IN 2005CN00494	A	20070907	IN 2005-CN494	20050329
PRIORITY APPLN. INFO.:				
			CH 2002-1483	A 20020830
			WO 2003-EP9268	W 20030821

ED Entered STN: 14 Mar 2004
 GI

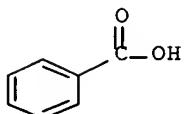
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Colored plastics or polymeric particles are prepared by using dye (I), dye (II), a UV absorber, such as 2-hydroxybenzophenones and oxamides, and, optionally, dye (III), and colored polyethylene terephthalate (PET) or polyethylene naphthalate (PEN) beer bottles are also provided. Thus, PET (Arnite D 04-300) 1200 g, dye I 0.16 g, dye II 0.22 gm and UV absorber (IV) 2.4 g were mixed to obtain yellow-brown polyester granules.

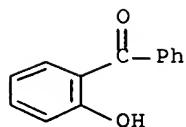
IT 65-85-0D, Benzoic acid, derivs., esters 117-99-7,
 2-Hydroxybenzophenone 136-36-7, Resorcinol monobenzoate
 463-52-5, Formamidine 10096-91-0,
 2-(2'-Hydroxyphenyl)benzotriazole 14848-04-5,
 2-(2-Hydroxyphenyl)-1,3,5-triazine 70321-86-7
 (UV absorber; producing of UV-absorber-containing colored plastics or
 polymeric particles for polyester beer bottles)

RN 65-85-0 HCPLUS

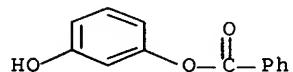
CN Benzoic acid (CA INDEX NAME)



RN 117-99-7 HCPLUS
 CN Methanone, (2-hydroxyphenyl)phenyl- (CA INDEX NAME)



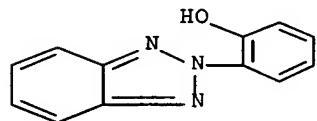
RN 136-36-7 HCAPLUS
 CN 1,3-Benzenediol, 1-benzoate (CA INDEX NAME)



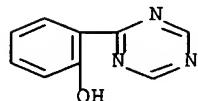
RN 463-52-5 HCAPLUS
 CN Methanimidamide (9CI) (CA INDEX NAME)



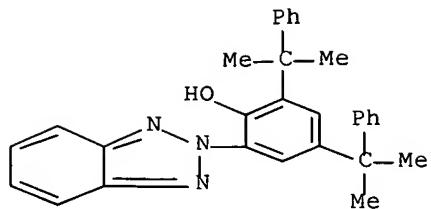
RN 10096-91-0 HCAPLUS
 CN Phenol, 2-(2H-benzotriazol-2-yl)- (CA INDEX NAME)



RN 14848-04-5 HCAPLUS
 CN Phenol, 2-(1,3,5-triazin-2-yl)- (CA INDEX NAME)



RN 70321-86-7 HCAPLUS
 CN Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1-methyl-1-phenylethyl)- (CA INDEX NAME)



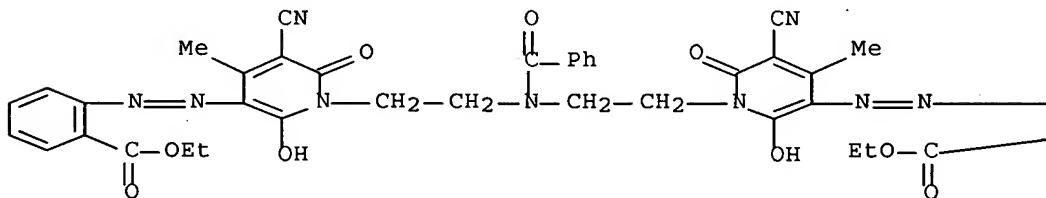
IT 459856-74-7 669005-94-1

(producing of UV-absorber-containing colored plastics or polymeric particles for polyester beer bottles)

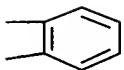
RN 459856-74-7 HCAPLUS

CN Benzoic acid, 2,2'-[(benzoylimino)bis[2,1-ethanediyl(5-cyano-2-hydroxy-4-methyl-6-oxo-1,3(6H)-pyridinediyl)azo]]bis-, diethyl ester (9CI)
(CA INDEX NAME)

PAGE 1-A

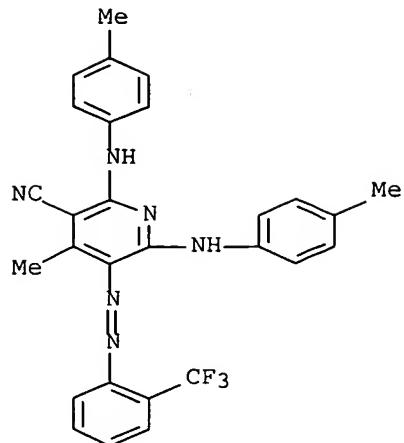


PAGE 1-B



RN 669005-94-1 HCAPLUS

CN 3-Pyridinecarbonitrile, 4-methyl-2,6-bis[(4-methylphenyl)amino]-5-[2-[2-(trifluoromethyl)phenyl]diazenyl]- (CA INDEX NAME)



IC ICM C08J
 CC 37-6 (Plastics Manufacture and Processing)
 Section cross-reference(s): 38, 41
 IT 65-85-0D, Benzoic acid, derivs., esters 117-99-7,
 2-Hydroxybenzophenone 136-36-7, Resorcinol monobenzoate
 463-52-5, Formamidine 471-46-5, Oxamide 10096-91-0
 , 2-(2'-Hydroxyphenyl)benzotriazole 14848-04-5,
 2-(2-Hydroxyphenyl)-1,3,5-triazine 70321-86-7
 (UV absorber; producing of UV-absorber-containing colored plastics or
 polymeric particles for polyester beer bottles)
 IT 459856-74-7 669005-94-1
 (producing of UV-absorber-containing colored plastics or polymeric
 particles for polyester beer bottles)
 REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR
 THIS RECORD. ALL CITATIONS AVAILABLE IN THE
 RE FORMAT

L47 ANSWER 3 OF 4 HCAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2002:716384 HCAPLUS Full-text
 DOCUMENT NUMBER: 137:249068
 TITLE: Pyridone azo dyes, their production and their use
 in polymeric materials
 INVENTOR(S): Tzikas, Athanassios; Lauk, Urs; Dreier, Romeo;
 Clement, Antoine
 PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Switz.
 SOURCE: PCT Int. Appl., 45 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002072707	A1	20020919	WO 2002-EP2150	20020228
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW			

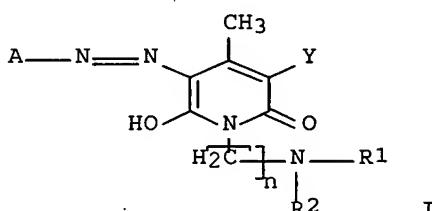
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

CA 2434837	A1	20020919	CA 2002-2434837	20020228
AU 2002235921	A1	20020924	AU 2002-235921	20020228
EP 1368431	A1	20031210	EP 2002-702379	20020228
EP 1368431	B1	20071205		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
CN 1496388	A	20040512	CN 2002-806197	20020228
BR 2002007944	A	20040727	BR 2002-7944	20020228
JP 2004526836	T	20040902	JP 2002-571768	20020228
AT 380221	T	20071215	AT 2002-702379	20020228
MX 2003PA06339	A	20031006	MX 2003-PA6339	20030716
US 2004123403	A1	20040701	US 2003-469889	20030905
US 6953846	B2	20051011		

PRIORITY APPLN. INFO.:		CH 2001-440	A 20010309
		CH 2001-822	A 20010507
		CH 2001-1386	A 20010725
		WO 2002-EP2150	W 20020228

OTHER SOURCE(S): MARPAT 137:249068

ED Entered STN: 20 Sep 2002
GI

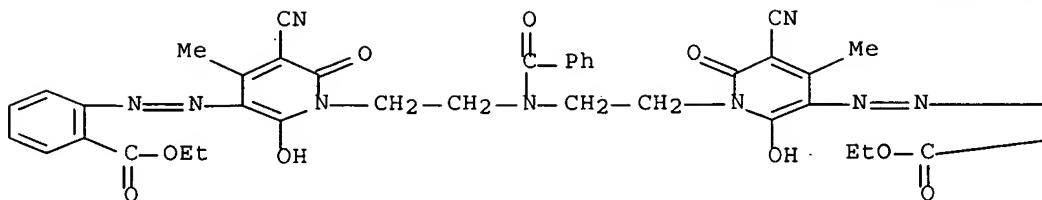


AB The present invention relates to pyridone azo dyes (I; A = diazo component residue; R1 = H, optionally hydroxyl- or phenyl-substituted C1-6-alkyl, azo pyridone derivative, ester, amide, keto; R2 = azo pyridone derivative, ester, amide, keto; R1R2N may form a heterocycle; Y = cyano, CONH₂, CH₂SO₃H; n = 2-6) and a process for their preparation and to their use in the production colored plastics or polymeric color particles. I show very good heat and migration resistance and tinctorial strength. In an example, ethylenediamine, Et cyanoacetate, and Et acetoacetate were cyclocondensed to give a pyridone derivative which was benzoylated to provide a coupling component; application of diazotized Et anthranilate gave a yellow dye for mass dyeing of polyester.

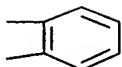
IT 459856-74-7P
(yellow dye; production of yellow pyridone azo dyes for mass dyeing of polyester)

RN 459856-74-7 HCPLUS
CN Benzoic acid, 2,2'-[(benzoylimino)bis[2,1-ethanediyl(5-cyano-2-hydroxy-4-methyl-6-oxo-1,3(6H)-pyridinediyl)azo]]bis-, diethyl ester (9CI)
(CA INDEX NAME)

PAGE 1-A



PAGE 1-B



IC ICM C09B029-36
 ICS D06P001-00; C07D213-85
 CC 41-3 (Dyes, Organic Pigments, Fluorescent Brighteners, and Photographic Sensitizers)
 Section cross-reference(s): 27, 37
 IT 459856-74-7P 459856-78-1P
 (yellow dye; production of yellow pyridone azo dyes for mass dyeing of polyester)
 REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L47 ANSWER 4 OF 4 HCAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2002:575156 HCAPLUS Full-text
 DOCUMENT NUMBER: 137:141843
 TITLE: Azo dyes, their production and their use in manufacture of colored plastics
 INVENTOR(S): Clement, Antoine; Andreoli, Anton; Lauk, Urs; Tzikas, Athanassios
 PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Switz.
 SOURCE: PCT Int. Appl., 31 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002059215	A1	20020801	WO 2002-EP510	20020118
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ,			

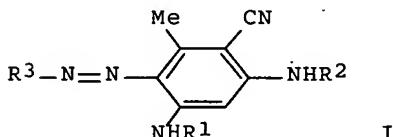
NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ,
 TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE,
 CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT,
 SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
 SN, TD, TG

AU 2002229715	A1	20020806	AU 2002-229715	20020118
EP 1366122	A1	20031203	EP 2002-710804	20020118
EP 1366122	B1	20071017		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2004529218	T	20040924	JP 2002-559505	20020118
AT 376034	T	20071115	AT 2002-710804	20020118
US 2004031109	A1	20040219	US 2003-470040	20030723
US 7029502	B2	20060418		
PRIORITY APPLN. INFO.:			EP 2001-810081	A 20010126
			WO 2002-EP510	W 20020118

OTHER SOURCE(S): MARPAT 137:141843

ED Entered STN: 02 Aug 2002

GI

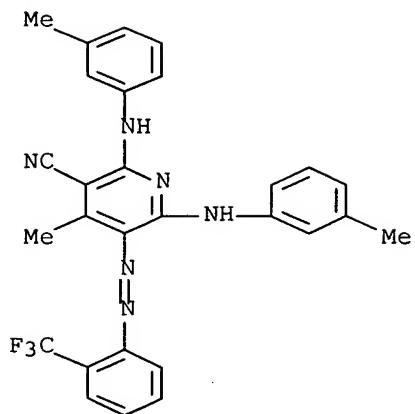


AB The invention relates to azo dyes (I; R₁, R₂ = optionally substituted aryl; R₃ = diazo component group), their production, and their use in mass coloration of plastics or polymeric particles. The dyes have good coloristic and fastness properties. In an example, a coupling component was prepared from 1 mol 2,6-dichloro-3-cyano-4-methylpyridine and 2 mol p-toluidine and used with diazotized 2-amino-5-nitrobenzotrifluoride to give a red azo dye suitable for polyester.

IT 444576-06-1
 (red dye; azo dyes for bulk dyeing of polyester)

RN 444576-06-1 HCPLUS

CN 3-Pyridinecarbonitrile, 4-methyl-2,6-bis[(3-methylphenyl)amino]-5-[(2-trifluoromethyl)phenyl]azo] - (9CI) (CA INDEX NAME)



IC ICM C09B029-36

CC 41-3 (Dyes, Organic Pigments, Fluorescent Brighteners, and Photographic Sensitizers)

Section cross-reference(s): 37

IT 444576-05-0 444576-06-1 444576-07-2

(red dye; azo dyes for bulk dyeing of polyester)

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his nofile

(FILE 'HOME' ENTERED AT 15:24:24 ON 01 FEB 2008)

FILE 'HCAPLUS' ENTERED AT 15:25:09 ON 01 FEB 2008

L1 1 SEA ABB=ON PLU=ON US20060160933/PN
SEL RN

FILE 'REGISTRY' ENTERED AT 15:25:21 ON 01 FEB 2008

L2 13 SEA ABB=ON PLU=ON (10096-91-0/BI OR 117-99-7/BI OR
136-36-7/BI OR 14848-04-5/BI OR 25038-59-9/BI OR 25230-87-9/
/BI OR 459856-74-7/BI OR 463-52-5/BI OR 471-46-5/BI OR
65-85-0/BI OR 669005-94-1/BI OR 70321-86-7/BI OR 9020-73-9/
BI)

L3 1 SEA ABB=ON PLU=ON L2 AND C28 H23 F3 N6/MF
E C28 H23 F3 N6/MF

L4 8 SEA ABB=ON PLU=ON "C28 H23 F3 N6"/MF

L5 2 SEA ABB=ON PLU=ON L4 AND PYRIDINECARBONITRIL?

L6 1 SEA ABB=ON PLU=ON L2 AND C43 H39 N9 O9/MF
E C43 H39 N9 O9/MF

L7 1 SEA ABB=ON PLU=ON "C43 H39 N9 O9"/MF

FILE 'HCAPLUS' ENTERED AT 15:29:46 ON 01 FEB 2008

L8 3 SEA ABB=ON PLU=ON L5

L9 3 SEA ABB=ON PLU=ON L7

L10 4 SEA ABB=ON PLU=ON L8 OR L9

FILE 'REGISTRY' ENTERED AT 15:32:28 ON 01 FEB 2008

L11 STR

L12 50 SEA SSS SAM L11

L13 3933 SEA ABB=ON PLU=ON 3593.8/RID

L14 208048 SEA ABB=ON PLU=ON PES/PCT

L15 83 SEA ABB=ON PLU=ON L13 AND L14
E C32H16CUN8/MF

L16 14 SEA ABB=ON PLU=ON C32H16CUN8/MF

FILE 'HCAPLUS' ENTERED AT 15:41:03 ON 01 FEB 2008

L17 18 SEA ABB=ON PLU=ON L15

L18 16694 SEA ABB=ON PLU=ON L16

L19 0 SEA ABB=ON PLU=ON L17 AND L18

L20 1336 SEA ABB=ON PLU=ON L13

L21 7 SEA ABB=ON PLU=ON L18 AND L20

FILE 'REGISTRY' ENTERED AT 15:43:25 ON 01 FEB 2008

E ACRYLATES/CN

E ACRYLATE/CN

L22 1 SEA ABB=ON PLU=ON ACRYLATE/CN

L23 0 SEA ABB=ON PLU=ON BENZOTRIAZOLES?/CNS AND HYDROXYPHENYL?/
CNS

L24 2730 SEA ABB=ON PLU=ON BENZOTRIAZOL?/CNS AND HYDROXYPHENYL?/CN
S

L25 486 SEA ABB=ON PLU=ON BENZOTRIAZOLE?/CNS AND HYDROXYPHENYL?/C
NS

L26 72 SEA ABB=ON PLU=ON L25 AND 2-2-HYDROXY?
E 2-HYDROXYBENZOPHENONE/CN

L27 1 SEA ABB=ON PLU=ON 2-HYDROXYBENZOPHENONE/CN
E FORMAMIDINE/CN

L28 1 SEA ABB=ON PLU=ON FORMAMIDINE/CN

10/524,008

L29 3597 SEA ABB=ON PLU=ON RESORCINOL?/CNS
L30 715 SEA ABB=ON PLU=ON 1,3,5-TRIAZINE//CNS AND HYDROXYPHENYL?/
CNS
L31 1 SEA ABB=ON PLU=ON C7 H6 O2/MF AND L2
L32 1 SEA ABB=ON PLU=ON L2 AND C9 H7 N3 O/MF
L33 1 SEA ABB=ON PLU=ON L2 AND C13 H10 O2/MF
L34 1 SEA ABB=ON PLU=ON L2 AND C13 H10 O3/MF
L35 1 SEA ABB=ON PLU=ON L2 AND C30 H29 N3 O/MF
L36 1 SEA ABB=ON PLU=ON L2 AND C12 H9 N3 O/MF
L37 6 SEA ABB=ON PLU=ON (L31 OR L32 OR L33 OR L34 OR L35 OR
L36)

FILE 'HCAPLUS' ENTERED AT 15:55:02 ON 01 FEB 2008

L38 37964 SEA ABB=ON PLU=ON L37
L39 56 SEA ABB=ON PLU=ON L38 AND L18

FILE 'STNGUIDE' ENTERED AT 15:59:57 ON 01 FEB 2008

FILE 'HCAPLUS' ENTERED AT 16:01:12 ON 01 FEB 2008

L40 37964 SEA ABB=ON PLU=ON L37
L41 5696 SEA ABB=ON PLU=ON L26
L42 779 SEA ABB=ON PLU=ON L27
L43 499 SEA ABB=ON PLU=ON L28
L44 55309 SEA ABB=ON PLU=ON L29
L45 2271 SEA ABB=ON PLU=ON L30
L46 2 SEA ABB=ON PLU=ON L10 AND (L40 OR L41 OR L42 OR L43 OR
L44 OR L45)
L47 4 SEA ABB=ON PLU=ON L10 OR